

To: Suchomel, Bruce[Suchomel.Bruce@epa.gov]
Cc: Mike Hackney[mhackney@pgei.com]
From: Jessie Graham
Sent: Fri 8/21/2015 7:56:53 PM
Subject: RE: Antelope Creek - specific gravity
[Injector List.xlsx](#)
[CTI - EPA submitted permits july 2015.pdf](#)

Bruce,

I attached a spreadsheet with Antelope Creeks active/inactive injectors. All wells are included in our financial responsibility.

Also attached is a PDF map which shows all wells and the current well status. The wells which we submitted permits for have a red circle around them.

I will begin working on the lat/long data, and send that to you this afternoon. The CBLs for the AOR wells and the confining zone will take bit longer. As you said on the phone, shoot me a phone call when you get back into town.

Have a good weekend!

Jessie

From: Suchomel, Bruce [mailto:Suchomel.Bruce@epa.gov]
Sent: Friday, August 21, 2015 10:14 AM
To: Jessie Graham
Cc: Mike Hackney
Subject: RE: Antelope Creek - specific gravity

Jessie,

I'd like to discuss the SG with you – let me know if there's a good time for a call today.

Also, may I have a copy of your current Antelope Creek active well listing? I have a list from a year ago (provided by Beau Judge) but I just want to ensure I have one that's current. In that list please include all wells including inactive ones that are still included in Petroglyph's financial responsibility.

Do you also have a map that shows all of these well locations? It would be great to have one that has a separate code/color scheme for the 22 add-wells, production wells, injections wells, shut-in wells, etc.

Thanks for your assistance – I look forward to working with you and in moving forward with Petroglyph's permitting goals.

Bruce Suchomel
UIC Program - Environmental Engineer/Project Manager
USEPA Region 8 (P-W-UIC)
1595 Wynkoop St.
Denver, CO 80202-1129
303-312-6001

From: Jessie Graham [<mailto:jgraham@pgei.com>]
Sent: Thursday, August 20, 2015 1:20 PM
To: Suchomel, Bruce
Cc: Mike Hackney
Subject: RE: Antelope Creek - specific gravity

Hi Bruce,

Please feel free to contact me with any questions.

In our packet we sent you, Attachment No. 5 has the water analysis data. The injectate water

analysis for the nearest injector well is right after the satellite water data, which is typically page 22. On this water analysis report, the calculated density (g/ml) is reported.

Thanks,

Jessie Graham

From: Suchomel, Bruce [<mailto:Suchomel.Bruce@epa.gov>]
Sent: Thursday, August 20, 2015 7:05 AM
To: Jessie Graham
Cc: Mike Hackney
Subject: Antelope Creek - specific gravity

Hello Jessica, thank you for the application package for both the expansion of and the add wells to the area permit.

We may have additional questions as we move forward. The one I have now is in regards to the specific gravity of the injectate.

Does Petroglyph have a calculated average for this area? Thank you.

Bruce Suchomel
UIC Program - Environmental Engineer/Project Manager
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